

ABSTRACT OF THE DISCLOSURE

A sub-harmonic mixer comprises two field effect transistors (FETs) in which the drains are coupled together. The mixer includes a signal generator for generating two local oscillator signals in antiphase with each other and which is arranged to feed one local oscillator signal to the source of one of the FETs and the other local oscillator signal to the source of the other FET. An input and output port is coupled to the drains for receiving input signals for the mixer and outputting output signals from the mixer.